

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)
Yukitoshi KOBAYASHI et al.) Group Art Unit: Unassigned
Application No.: Unassigned) Examiner: Unassigned
Filed: February 19, 2001)
For: ACTUATOR HAVING A WAVE)
GEAR REDUCTION DRIVE)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-captioned application, please enter the following amendment.

IN THE CLAIMS:

Please amend claims 4-6 as follows:

4. (Amended) The actuator according to claim 1, wherein the flexible external gear is of a cup shape having the annular diaphragm that extends radially inward from an end of the body portion and the boss that is formed as a continuous part of the inner edge of the diaphragm, and the second bearing is supported by an annular bearing holder attached to the boss.

5. (Amended) The actuator according to claim 1, wherein the rotational shaft has a second extended shaft portion that extends from the other end of the motor shaft portion, with the encoder being attached to the second extended shaft portion.


6. (Amended) The actuator according to claim 1, wherein the rotational shaft is hollow and the flexible external gear boss is provided with a through-hole that is concentric with the hollow shaft.

REMARKS

The foregoing amendments are made to place the claims in the preferred U.S. format and to remove multiple claim dependencies.

Respectfully submitted,

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Attachment to Preliminary Amendment dated February 19, 2002

Marked-up Claims -

4. (Amended) The actuator according to claim 1, [2 or 3,] wherein the flexible external gear is of a cup shape having the annular diaphragm that extends radially inward from an end of the body portion and the boss that is formed as a continuous part of the inner edge of the diaphragm, and the second bearing is supported by an annular bearing holder attached to the boss.

5. (Amended) The actuator according to claim 1, [2, 3 or 4,] wherein the rotational shaft has a second extended shaft portion that extends from the other end of the motor shaft portion, with the encoder being attached to the second extended shaft portion.

6. (Amended) The actuator according to [any of claims 1 to 5] claim 1, wherein the rotational shaft is hollow and the flexible external gear boss is provided with a through-hole that is concentric with the hollow shaft.